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7695. *Argyresthia oreasella* Clem. (5161.)
 8040. *Gracillaria negundella* Cham. (5624.)
 8061. *Gracillaria purpuriella* Cham. (5628.)
 8080. *Scythris eboracensis* Zell. (5748.)
 8088. *Scythris trivinctella* Zell. (5756.)
 8169. *Acrolophus mortipennellus* Grt. (5050.)
 8234. *Xylestia pruniramiella* Clem. (5070.)
 8242. *Monopis crocicapitella* (5085.)
 8249. *Tinea fuscipunctella* Haw. (5089.)
 8449. *Adela ridingsella* Clem. (5145.)

Additions to the List of Kansas Hymenoptera.

F. F. CREVECOEUR.

In volume 16 of the Transactions of the Kansas Academy of Science is to be found a list of Hymenoptera collected in Kansas, compiled by Mr. J. C. Bridwell, of Baldwin, Kan. The list, which is to be found on page 203 of said volume and which contains 750 species, subspecies and varieties, Mr. Bridwell admits lacks much of being complete, as he had not had the lists of Kansas Hymenoptera in the collections of the State University, in the National Museum and in the collections of the American Entomological Society.

In my collection of insects, now in the museum of Ottawa University, are many species not contained in Mr. Bridwell's list, a list of which I herewith append. In this list are 269 species and subspecies, of which 70 have not been specifically identified, and of which some may have been included in Mr. Bridwell's list.

Abia kennicottii Nort.
Acrolyta aletiae Ashm.
Adexionia sp.
Ænigmostoma sp.
Agenia bombycina Cr.
Agenia accepta Cr.
Agathis tibiator Prov.
Alyson guidardi Prov.
Alyson sp.
Amblyteles stadaconensis Cr.
Ammophila arvensis St. Farg.
Ammophila vulgaris.
Amolyaspis occidentalis Ashm.
Anastatus mirabilis Walsh.
Andrena sp.
Anomalon unicolor Prov.
Anomalon sp.
Antistrophus silphius Gill.
Apanteles parorgyiae Ashm.
Aphænogaster tenesseens Mayr.
Arachnophaga sp.

Ascogaster sp.
Augochlora sp.
Bembex spinolæ Riley.
Blacus longicaudus Prov.
Bracon brachyurus Ashm.
Bracon dorsator Say.
Bracon euurus Ashm.
Bracon negator Say.
Bracon negosiocutris Ashm.
Bracon nigropectus Prov.
Bracon rugiceps.
Bracon trifolii Ashm.
Cacus æcanthi Riley.
Cænophanes aciculatus Ashm.
Cænophanes prodozi Riley.
Cænophanes sp.
Camponotus castaneus Latr.
Camponotus marginatus Latr.
Camponotus sp.
Campoplex semirufus Prov.
Campoplex viticollis Nort.

- Campoplex* sp.
Cardiochilus californicus Ashm.
Cardiochilus dimidiatus Ashm.
Catolaccus tylodermatis Ashm.
Catolaccus sp.
Ceraphron pallidiventris Ashm.
Ceratosoma apicalis Cr.
Cerceris dentifrons.
Cerceris nigrescens Smith.
Cerceris sp.
Ceropales sp.
Ceroxys obscuricornis Loew.
Chalcaspis sp.
Chalcis ovata.
Chiloneurus sp.
Chrysis cobaltina Aaron.
Chrysis cupricollis Cr.
Cænocælius rubriceps Prov.
Comys scutellata.
Coriphæctonus sp.
Cosmocoma æcanthi Ashm.
Crabro sp.
Cremastogaster lineolata Say.
Cremastus hartii Ashm.
Cremastus mellipes Prov.
Cremastus retinæ Cr.
Cremnops exaratus Cr.
Cryptus atrocollaris Walsh.
Cryptus nuncius Say.
Cryptus sp.
Dacnusa crassitella Prov.
Dacnusa sp.
Dialcogaster melligaster Prov.
Dicælotus sp.
Dolcrus sp.
Doryctes sp.
Dorymyrmex sp.
Eciton schmitti.
Entedon biglovæ.
Epeolus concavus.
Epeolus mercatus Fabr.
Epimecis wiltii Cr.
Eriocrocis fumipennis Say.
Euceros medialis Cr.
Eucoilidea canadensis Ashm.
Eucyrtus sp.
Euderus tibialis Ashm.
Eupelmus dryorhizoxeni Ashm.
Eupelmus juglandis.
Eupelmus sp.
Euplectrus frontalis.
Eutrichosoma mirabilis Ashm.
Evania sp.
Erochus pleuralis Cr. sp. nov.
Formica nitidiventris.
Formica subsericea.
Formica sp.
Glypta pulchripes.
Glytodyctes sp.
Gonatocerus sp.
Gonatopus sp.
Gorytes phaleratus.
Habropelta armatus Say.
Halictus albitarsus Cr.
Halictus palustris Robt.
Hemiteles mesochori Ashm.
Hemiteles sp.
Heteropelma sp.
Hoplissus morulus Say.
Hormeus melleus Ashm.
Hylotoma abdominalis.
Ichneæops xanthaspis Ashm.
Ichneumon galenus.
Ichneumon finitimus Cr.
Ichneumon grotei Cr.
Ichneumon pedalis Cr.
Ichneumon ventralis Cr.
Ichneumon sp.
Joppidium ruficeps Ashm.
Labidus harrisii Hald.
Lampronota exigua Cr.
Lampronota frigida Cr.
Lampronota sp.
Larra americana Cr.
Larra argentata Say.
Larra punctifrons Fox.
Larra quebecensis Prov.
Larra toreata Say.
Larra vinulenta Cr.
Larra sp.
Lasius clavagers.
Lasius interjectus Mayr.
Lasius latipes.
Leptothorax curvispinosus Mayr.
Leptothorax schaumii Rogers.
Leptothorax sp.
Limneria annulipes Cr.
Limneria eurycreonis Ashm.

- Limneria oligiæ*.
Macrocentrus delicatus Cr.
Macrophya incerta.
Macrophya sp.
Macrotelia floridana Ashm.
Macroxyia sp.
Megachile inimica.
Megachile pugnata.
Megastigmus sp.
Meniscus sp.
Mesochorus uniformis.
Mesoleptus sp.
Mesostenus thoracicus Cr.
Mesostenus sp.
Metapon californicum Ashm.
Microdus bicolor Cr.
Microdus laticinctus Cr.
Microdus linatus Cr.
Mixogaster breviventrìs Kahl.
Mutilla fenestrata St. Farg.
Myrmica sulcinodis Nyl.
Myrmica sp.
Myzine costata Say.
Myzine namea Fabr.
Nepiera albomaculata Ashm.
Nomada modesta Cr.
Nototrachys texanus Cr.
Notozus sp.
Nysson plagiatu8.
Odontomerus mellipes Say.
Odynerus colon Cr.
Odynerus firmus Cr.
Odynerus pertinax Sauss.
Odynerus rustrinus.
Odynerus sp.
Ophialtes sp.
Ophion macrurum Linn.
Opius anthomyiæ Ashm.
Orasema coloradensis.
Orthocentrus canadensis Prov.
Osmia subfasciata Cr.
Oxybelus packardi Robt.
Pachynematus corniger Nort.
Palloptera superba Loew.
Perilampus fulvicornis.
Pezomachus sp.
Phaogenes ater Cr.
Pharsalis texana Cr.
Pheidole sp.
Phobetis sp.
Pimpla inquisitor Say.
Pimpla notanda.
Platygaster herrickii Pack.
Platylobus lineolatus Prov.
Polistes pallipes St. Farg.
Polynotus sp.
Pompilus americanus Beauv.
Pompilus cylindricus Cr.
Pompilus marginatus Say.
Pompilus navus Cr.
Ponera contractor Latr.
Ponera pennsylvanica.
Porizon delicatus Cr.
Porizon facialis.
Porizon macer Cr.
Porizon sp.
Prenolepis imparis Say.
Prenolepis nietus Mayr.
Prenolepis parcula Mayr.
Pristomeridea fuscipennis Ashm.
Proctotrypes terminalis.
Prosopus pygmia Cr.
Protapanteles aldrichii Ashm.
Psen sp.
Psilodora impatiens.
Pteronus mendicus Nort.
Ptinus niger.
Rimphalea sp.
Rhinopsis canaliculata Say.
Rhogas sp.
Salix alienus Smith.
Salix germanus Cr.
Schizocera brunniventris Cr.
Schizocera privatus Nort.
Selandria sp.
Sigalphus thoracicus Say.
Smicra debilis Say.
Smicra mariæ Riley.
Smicra torvina.
Solenopsis debilis.
Solenopsis sp.
Spathius trifasciatus Riley.
Sphecodes arvensis Patt.
Sphecodes sp.
Spilochalcis debilis Say.
Spilochalcis sp.
Stelis sp.
Stigmus fraternus Say.

<i>Strongylogaster epicera</i> Say.	<i>Triclistus pygmæus</i> Cr.
<i>Syntætus</i> sp.	<i>Tritoxa incurva</i> Loew.
<i>Syntomaspis</i> sp.	<i>Trogus atrocoeruleus</i> Cr.
<i>Tachysphex pepticus</i> Say.	<i>Trogus rileyi</i> Cr.
<i>Tachysphex terminata</i> Smith.	<i>Urogaster hartii</i> .
<i>Tachysphex</i> sp.	<i>Urogaster pallidistigma</i> Ashm.
<i>Tapinoma</i> sp.	<i>Urosigalphus neomexicanus</i> Ashm.
<i>Temelucha cookii</i> Weed.	<i>Vipio croceus</i> Cr.
<i>Tenthredo cinctitiæa</i> .	<i>Vipio</i> sp.
<i>Tetrastichus</i> sp.	<i>Xanacis</i> sp.
<i>Thersilochus conotracheli</i> Riley.	<i>Xenoglossa pruinosa</i> Say.
<i>Thyreodon</i> sp.	<i>Xylomyia pallipes</i> Loew.
<i>Thyreopus</i> sp.	<i>Xylonomus cincticornis</i> Cr.
<i>Tiphia tarda</i> .	<i>Xylota chalybea</i> Wied.
<i>Torymus</i> sp.	<i>Zelotypa texana</i> Ashm.
<i>Toxoneura abdominalis</i> Cr.	

Nature's Use of Disinfectants and Antiseptics.

L. E. SAYRE.

Disinfectants are used for the prevention of germ-activated waste.

They are destroyers of the bodies causing infectious diseases of animals, plants and foods.

They are preventives of the growth and multiplication of noxious germs.

They are destroyers of the microorganisms of disease already active in decomposition of organic matter.

These are essays towards a definition, but not a complete definition in the lot. One needs a definition applicable to each form or condition of perishable matter. The universal, all-potent omniapplicable disinfectant has not been devised or discovered.

If there are microbodies that can resist moderate boilings and prolonged intense freezings without destruction; that can withstand varied and various approved germicides, but which will succumb unresistingly to some one body discovered by patient research and innumerable experiments, the particular bodies selected and adapted to individual cases as disinfectants and germicides are patently very numerous. Dr. A. C. Walters has shown that there is a specificity in disinfectants, and so the universal, easily applied germ-killing body is yet to be devised; the public who asks for such a preparation will have to go unsatisfied and remain content with merely approximate remedies.

For a long time carbolic acid (phenol) was regarded as being almost omnipotent, and efforts for improvement were in the line of searching for a body superior and more efficacious. When a chemical body was found that would slay its greater number of thousands it was welcomed exultantly. The mere counting of the dead was the test.

Yet again there are disinfectants which if compared with phenol efficiency would be found inert and worthless if thus superficially estimated, but on some given virulent organism they may be actively germicidal where the phenol itself is inert. And the reverse; a disinfectant which may compare favorably